

IV. TRANSPORTATION CONFORMITY



Transportation conformity is required under the federal Clean Air Act to ensure that federally supported highway and transit project activities conform to the purpose of the State Implementation Plan (SIP). Conformity to the purpose of the SIP means that transportation activities will not cause new air quality violations, worsen existing violations, or delay timely attainment of the relevant National Ambient Air Quality Standards. Conformity applies to non-attainment and maintenance areas for the following transportation-related criteria pollutants: ozone, particulate matter (PM_{2.5} and PM₁₀), carbon monoxide (CO), and nitrogen dioxide (NO₂).

Under the U.S. DOT Metropolitan Planning Regulations and EPA's Transportation Conformity Regulations, the Draft Amendment #2 to the 2008 Regional Transportation Plan (RTP) and the associated Draft Amendment #08-24 to the 2008 Regional Transportation Improvement Program (RTIP) (collectively referred to herein as the "Draft 2008 RTP and RTIP Amendments") need to pass five tests: consistency with the adopted 2008 RTP as previously amended, regional emissions analysis, timely implementation of transportation control measures (TCMs), financial constraint, and interagency consultation and public involvement.

The findings of the conformity determination for the Draft 2008 RTP and RTIP Amendments are presented below. Details of the regional emissions analysis follow the findings.

Conformity Findings

SCAG's findings for the approval of the Draft 2008 RTP and RTIP Amendments are as follows:

- **Consistency with 2008 RTP Test**

Inclusion of the amended projects in the 2008 RTP and RTIP would not change any other policies, programs or projects in the federally approved 2008 RTP as previously amended.

Finding: The Draft 2008 RTP and RTIP Amendments are consistent with the federally approved 2008 RTP as previously amended, and meets all federal and state requirements and regulations.

- **Regional Emissions Tests**

Finding: The regional emissions analyses for the Draft 2008 RTP and RTIP Amendments update the regional emissions analyses for the federally approved 2008 RTIP and 2008 RTP as previously amended.

Finding: The Draft 2008 RTP and RTIP Amendments regional emissions analysis for PM_{2.5} and its precursors meet all applicable emission budget tests for all milestone, attainment, and planning horizon years in the South Coast Air Basin (SCAB).

Finding: The Draft 2008 RTP and RTIP Amendments regional emissions for ozone precursors meet all applicable emission budget tests for all milestone, attainment, and planning horizon years for the SCAB, South Central Coast Air Basin (SCCAB; Ventura County portion), Western Mojave Desert Air Basin (MDAB; Antelope Valley and San Bernardino County portion excluding Searles Valley), and the Salton Sea Air Basin (SSAB; Coachella Valley and Imperial County portions).

Finding: The Draft 2008 RTP and RTIP Amendments regional emissions for NO₂ meet all applicable emission budget tests for all milestone, attainment, and planning horizon years in the SCAB.

Finding: The Draft 2008 RTP and RTIP Amendments regional emissions for CO meet all applicable emission budget tests for all milestone, attainment, and planning horizon years in SCAB.

Finding: The Draft 2008 RTP and RTIP Amendments regional emissions for PM₁₀ and its precursors meet all applicable emission budget tests for all milestone, attainment, and planning horizon years in SCAB and the SSAB (Coachella Valley).

Finding: The Draft 2008 RTP and RTIP Amendments regional emissions for PM10 meet the interim emission test (build/no-build test) for all milestone, attainment and planning horizon years for the MDAB (San Bernardino County portion and Searles Valley portion) and for the SSAB (Imperial County portion).

- **Timely Implementation of TCMs Test**

Finding: The Draft 2008 RTP and RTIP Amendments do not revise or otherwise alter the schedule, funding priority, or implementation of any TCM.

- **Financial Constraint Test**

Finding: All projects listed in the 2008 RTP and 2008 RTIP, including all previously approved amendments and the Draft Amendments, are financially constrained for all fiscal years. Fiscal constraint is analyzed in the Fiscal Impact chapter of this report.

- **Interagency Consultation and Public Involvement Test**

Finding: The Draft 2008 RTP and RTIP Amendments comply with all federal and state requirements for interagency consultation and public involvement. The Draft Amendments were discussed at the Transportation Conformity Working Group (TCWG), which includes representatives from the respective air quality and transportation planning agencies, on three occasions (July 28, August 25, and September 22, 2009). A preliminary draft conformity analysis was presented to the TCWG prior to the release of the Draft 2008 RTP and RTIP Amendments for a 30-day public comment period.

Regional Emissions Analysis

The following tables summarize the required regional emission analyses for each of the non-attainment areas within SCAG's jurisdiction. For those areas which require budget tests, the emissions values in the tables below utilize the rounding convention used by California Air Resources Board to set the budgets (i.e., any fraction rounded up to the nearest ton), and are the basis of the conformity findings for these areas.

SOUTH CENTRAL COAST AIR BASIN – VENTURA COUNTY PORTION

TABLE 4.1 8-HOUR OZONE (SUMMER PLANNING EMISSIONS [TONS/DAY])

Pollutant		2009	2010	2020	2030	2035
ROG	Budget Plan	13	13	13	13	13
		12	11	7	6	5
Budget - Plan		1	2	6	7	8
NOx	Budget Plan	19	19	19	19	19
		19	17	9	6	6
Budget - Plan		0	2	10	13	13

SOUTH COAST AIR BASIN

TABLE 4.2 8-HOUR OZONE (SUMMER PLANNING EMISSIONS [TONS/DAY])

Pollutant		2008	2011	2014	2017	2020	2030	2035
ROG	Budget Plan	215	176	150	131	116	116	116
		201	167 ^a	141	123 ^a	110	84	76
Budget - Plan		14	9	9	8	6	32	40
NOx	Budget Plan	427	354	287	232	190	190	190
		405	326 ^a	257	208 ^a	163	120	112
Budget - Plan		22	28	30	24	27	70	78

^a = interpolated

TABLE 4.3 PM2.5 (ANNUAL EMISSIONS [TONS/DAY])

Pollutant		2009	2012	2020	2030	2035
ROG	Budget Plan	196	163	163	163	163
		185	154	107	81	73
Budget - Plan		11	9	56	82	90
NOx	Budget Plan	413	337	337	337	337
		395	308	176	122	114
Budget - Plan		18	29	161	215	223
PM2.5	Budget Plan	38	38	38	38	38
		36	36	36	37	38
Budget - Plan		2	2	2	1	0

TABLE 4.4 PM10 (ANNUAL EMISSIONS [TONS/DAY])

Pollutant		2010	2020	2030	2035
ROG	Budget Plan	251	251	251	251
		173	107	81	73
Budget - Plan		78	144	170	178
NOx	Budget Plan	549	549	549	549
		372	176	122	114
Budget - Plan		177	373	427	435
PM10	Budget Plan	166	166	166	166
		157	153	152	155
Budget - Plan		9	13	14	11

TABLE 4.5 CO (WINTER EMISSIONS [TONS/DAY])

Pollutant		2010	2015	2020	2030	2035
CO	Budget Plan	2,137	2,137	2,137	2,137	2,137
		1,670	1,217 ^a	911	624	569
Budget - Plan		467	920	1,226	1,513	1,568

^a = interpolated

TABLE 4.6 NO2 (WINTER EMISSIONS [TONS/DAY])

Pollutant		2010	2020	2030	2035
NO2	Budget Plan	682	682	682	682
		398	187	129	119
Budget - Plan		284	495	553	563

WESTERN MOJAVE DESERT AIR BASIN – ANTELOPE VALLEY PORTION OF LOS ANGELES COUNTY AND SAN BERNARDINO COUNTY PORTION OF MDAB EXCLUDING SEARLES VALLEY

TABLE 4.7 8-HOUR OZONE (SUMMER PLANNING EMISSIONS [TONS/DAY])

Pollutant		2009	2010	2020	2030	2035
ROG	Budget Plan	22	22	22	22	22
		21	20	12	10	10
Budget - Plan		1	2	10	12	12
NOx	Budget Plan	77	77	77	77	77
		77	74	33	26	27
Budget - Plan		0	3	44	51	50

MOJAVE DESERT AIR BASIN – SAN BERNARDINO COUNTY PORTION

TABLE 4.8 PM10 (ANNUAL EMISSIONS [TONS/DAY])

		2010	2020	2030	2035
PM10	No Build Build	9.4	8.6	9.5	10.3
		8.4	8.1	9.0	9.9
	No Build - Build	1.0	0.5	0.5	0.4

Note: The results may not add up due to rounding.

MOJAVE DESERT AIR BASIN – SEARLES VALLEY PORTION

TABLE 4.9 PM10 (ANNUAL EMISSIONS [TONS/DAY])

		2010	2020	2030	2035
PM10	No Build	0.1	0.1	0.1	0.1
	Build	0.1	0.1	0.1	0.1
No Build - Build		0.0	0.0	0.0	0.0

SALTON SEA AIR BASIN – COACHELLA VALLEY PORTION

TABLE 4.10 8-HOUR OZONE (SUMMER PLANNING EMISSIONS [TONS/DAY])

Pollutant		2012	2020	2030	2035
ROG	Budget	7	7	7	7
	Plan	7	5	4	4
Budget - Plan		0	2	3	3
NOx	Budget	26	26	26	26
	Plan	25	14	11	12
Budget - Plan		1	12	15	14

TABLE 4.11 PM10 (ANNUAL EMISSIONS [TONS/DAY])

		2010	2020	2030	2035
PM10	Budget *	10.9	10.9	10.9	10.9
	Plan	8.5	8.0	8.2	8.6
Budget - Plan		2.4	2.9	2.7	2.3

Note: Budget set to one decimal place by 2003 Coachella SIP.

SALTON SEA AIR BASIN – IMPERIAL COUNTY PORTION

TABLE 4.12 OZONE (SUMMER PLANNING EMISSIONS [TONS/DAY])

Pollutant		2009	2010	2020	2030	2035
ROG	Budget Plan	7	7	7	7	7
		6	6	5	4	5
Budget - Plan		1	1	2	3	2
NOx	Budget Plan	17	17	17	17	17
		17	16	10	9	10
Budget - Plan		0	1	7	8	7

TABLE 4.13 PM10 (ANNUAL EMISSIONS [TONS/DAY])

Pollutant		2010	2020	2030	2035
PM10	No Build	4.2	6.5	8.0	8.6
	Build	4.1	6.3	7.6	8.2
No Build - Build		0.1	0.2	0.4	0.4